

Text Summarizer

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Text Summarizer is an application which helps in summarizing the text. Automatic text summarization is a common problem in machine learning and natural language processing (NLP).

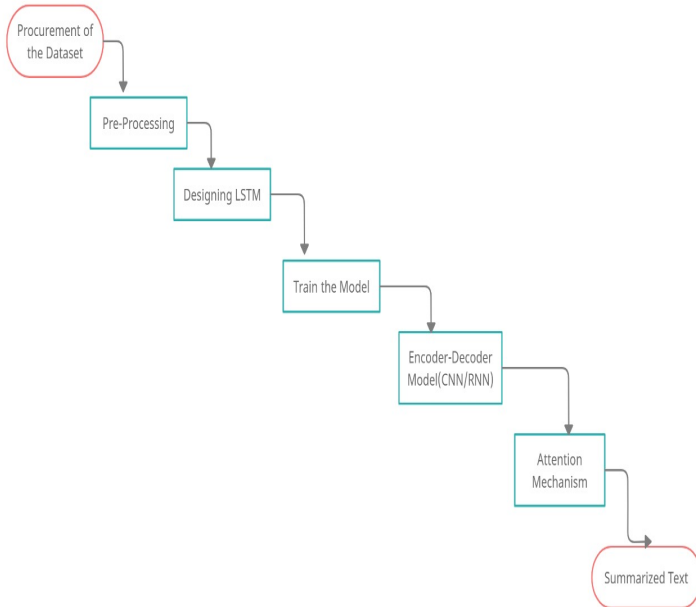
- Amazon Food Reviews Dataset
- It has 11 columns
- It includes 568,454 reviews from 256,059 users

Types of Text Summarizers

Extractive Text Summarizer : This methods attempt to summarize articles by selecting a subset of words that retain the most important points.

Abstractive Text Summarizer : This methods select words based on semantic understanding, even those words did not appear in the source documents.

Approach



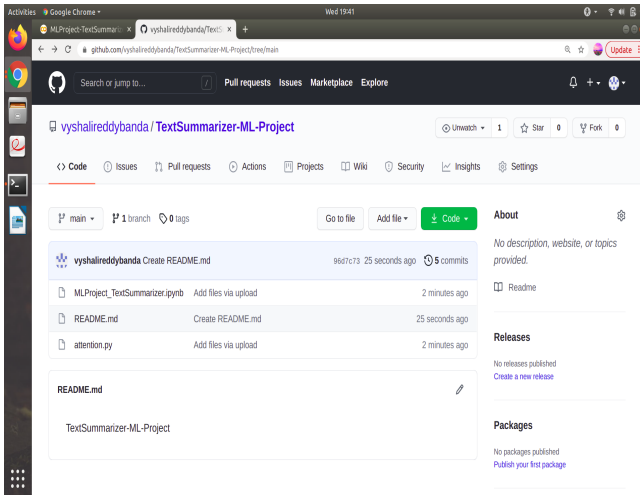
- Numpy
- Pandas
- NLTK
- Tensor Flow

- Encoder decoder architecture
- Attention mechanism

Challenges

- Compatability of tensor flow version
- Concept of embedding
- Building the model

Git Repo



- <https://github.com/Vyshalireddybanda/TextSummarizer-ML-project/tree/main.git>
- <https://github.com/Madhumitha8290/TextSummarizer.git>

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Review: tea recently every table hotels little tea chest selection teas saved packaging hope could find internet yeah favorite lemongrass excellent

Original summary: had this tea in

Predicted summary: great tea

Review: best salad dressing delivered promptly quantities last vidalia onion dressing compares made oak hill farms sometimes find costco order front door want e

Original summary: my favorite salad dressing

Predicted summary: great seasoning

Review: one cereals fruit mix grain chemicals extracted fruit juice want really natural cereal one fruits taste disgusting look elsewhere

Original summary: super fake

Predicted summary: tastes like

Review: milk thistle said good liver mellow pleasant flavor really enjoy drinking alvita brand always good quality teas

Original summary: very pleasant flavor and good quality

Predicted summary: great tea

- <https://towardsdatascience.com/a-quick-introduction-to-text-summarization-in-machine-learning-3d27ccf18a9f>
- <https://youtu.be/-wcrzwNmiAU>
- <https://github.com/aravindpai/How-to-build-own-text-summarizer-using-deep-learning/blob/master.ipynb>

THANK YOU